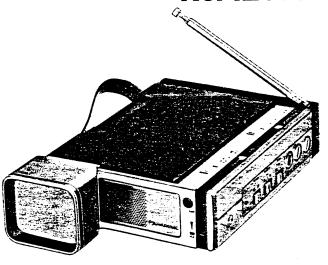
service Ma

Black and White Television with Radio

R-10

Chassis

No. 1E01-A



The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

Specifications:

Television

Power Source:

Power Consumption: Antenna Impedance:

Receiving Channel:

AC: 4.9W.

AC: 120V, 60Hz. DC: 6V DC: 1.8W

UHF/VHF FM Monopole

Antenna. 75 Ω , Unbalanced type.

UHF/VHF/FM External

Antenna. 75 Ω , Unbalanced type. U.S.A. CCIR B&G U.K.

2-12 VHF: 2-13 21-69

UHF: 14-83 21-69

Intermediate

Frequency:

Video: 38.9MHz

34.4MHz (USA Standard) Sound: 33.4MHz (CCIR Standard)

32.9MHz (UK Standard)

Integrated Circuits:

Semiconductor: (With Radio)

10 IC's

18 Transistors 37 Diodes 1 Thermistor Nominal Anode

Voltage: Picture Tube:

Speaker:

Dimensions:

Automatic Circuit:

40CB4 1.5" 36° Deflection 1- $\frac{1}{8}$ inches, 16Ω , Round type. Peak Automatic Gain Control Saw-Tooth Automatic Frequency

5.3KV (Zero Beam Current)

Control

Automatic Voltage Regulator $1-\frac{1}{2}$ inches (40mm) Height:

5-5/16 inches (135mm) Width: 6-% inches (166mm)

Depth: 1.8 lbs. (0.83kg)

Weight: Radio

Radio Frequency

Audio Output:

Range:

AM: 525-1605kHz 88-108MHz FM:

0.1W

Specifications are subject to change without notice.

Panasonic.

Panasonic Company Division of Matsushita Electric Corporation of America One Panasonic Way, Secaucus, New Jersey 07094

Panasonic Hawaii, Inc 320 Waiakamilo Road, Honolulu, Hawaii 96817 Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc. Ave. 65 De Infanteria, KM 9.7 Victoria Industrial Park Carolina, Puerto Rico 00630 CODE NO. FTD7911-017

SAFETY PRECAUTIONS

GENERAL GUIDELINES

- It is advisable to insert an isolation transformer between the television set and the AC power line before servicing the chassis.
- In servicing, pay attention to the original lead dress, especially in the high voltage circuit. If a short circuit is found, replace all parts which have been overheated as a result the short circuit.
- After servicing, observe that all the protective devices such as insulation barriers, insulation papers, shields, isolation and R-C combinations, are properly installed.
- 4. Before turning the receiver on, check the resistance between the B+ line and chassis ground. Connect ⊕ side of an ohmmeter to B+ line and ⊕ side to ground. Each line should have more resistance than specified below.

B+ line	Minimum Resistance
6V	35Ω

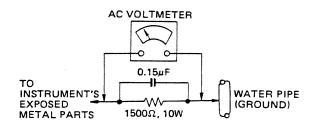
- 5. When the TV set will not be used for a long period of time, unplug the power cord from the AC line outlet.
- Potentials as high as 5.3kV are present when this receiver is operating. Operation of the receiver without the rear cover on involves danger of shock.
 - Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high-voltage equipment. Always discharge the anode of the picture tube to the receiver chassis before handling the tube.
- 7. After servicing make the following leakage current check to prevent the customer from undergoing shock hazard.

LEAKAGE CURRENT COLD CHECK

- 1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 2. Turn the receiver power switch on.
- 3. Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metallic part such as screwheads, antennas, control shafts, handle bracket, etc. When the exposed metallic part has a return path to the chassis, the reading should be 1.8 megohm to 4 megohms. When the exposed metal does not have a return path to the chassis, the reading must be infinity.
- 4. Remove the jumper from the AC plug.

LEAKAGE CURRENT HOT CHECK

- 1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer during this check.
- 2. Connect a 1500 ohm, 10 watt resistor, paralleled by a $0.15\mu\text{F}$ capacitor between each exposed metallic part and a good ground like a water pipe as shown in Figure.
- 3. Use an AC voltmeter with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- 4. Move the resistor connection to each exposed metallic part and measure the voltage.
- 5. Reverse the polarity of the AC plug in the AC outlet and repeat the above measurement.
- 6. The potential must not exceed 0.75 volt RMS, from any exposed metal part to ground. In case any of the measurements are not with in the limits specified, there is a possibility of a shock hazard and the receiver should be repaired and rechecked before it is returned to the customer.



X-RADIATION

WARNING: The potential source of X-Radiation in TV sets is the picture tube.

NOTE: It is important to use an accurate, periodically calibrated, high voltage meter.

- 1. Turn the Brightness control fully counterclockwise.
- 2. Measure the High Voltage. The high voltage meter should indicate a nominal 5.3 kV and the maximum 6.0 kV. If the upper meter indication exceeds the maximum level, immediate service is required to prevent the possibility of premature component failure.
- 3. To prevent a possibility of x-radiation, it is essential to use the specified picture tube.

IMPORTANT SAFETY NOTICE

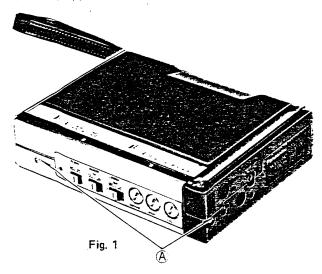
There are special components used in Panasonic TV sets which are important for safety. These parts are shaded on the schematic diagram and on the replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of Matsushita Electric.

The electrical parts used in this model-such as the resistors, the capacitors and the transistors, are smaller than the same parts used in conventional models. Very painstaking and careful servicing techniques, therefore, are necessary for this model.

DISASSEMBLY INSTRUCTIONS -

UPPER CABINET REMOVAL

- 1. Remove 2 screws (a) and 2 screws (b) as shown in Fig. 1, 2.
- 2. Lift up upper cabinet as shown the arrow in Fig. 2.



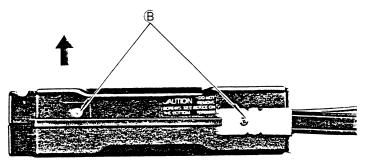


Fig. 2

RADIO BLOCK REMOVAL

1. Remove 2 screws © as shown in Fig. 3.

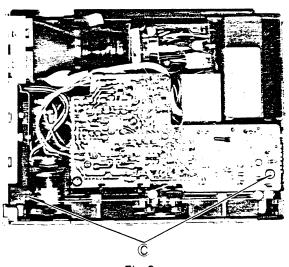


Fig. 3

ESCUTCHEON BLOCK REMOVAL

1. Pull the escutcheon block out of the cabinet,

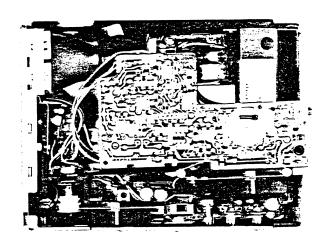


Fig. 4

MAIN RECEPTION AREAS

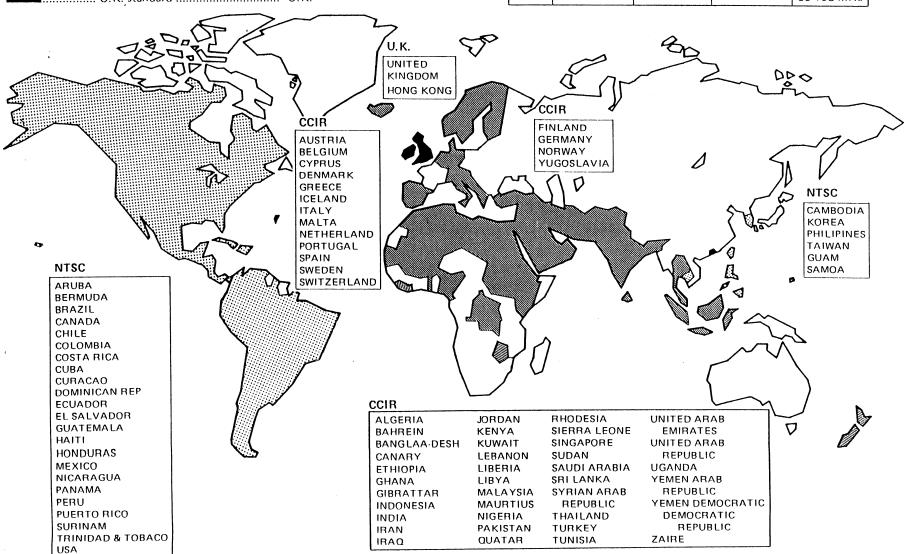
Broadcasting system VS Area

VENEZUELA

Area	Broadcasting	Selector position
10000000	: NTSC (USA) standard	USA
WINNINN.	CCIR B & G standard	EUR
		U.K.

Frequency Range

	VHF	UHF	AM	FM
USA	54-88 MHz 174-216 MHz	470-890 MHz	525-1605 kHz	88-108 MHz
EUR	47-68 MHz 174-230 MHz	470-862 MHz	525-1605 kHz	88-108 MHz
U.K.	-	470-862 MHz	525-1605 kHz	88-108 MHz



DIAL STRINGING

TV BLOCK

- 1. Turn the TV tuning shaft fully clockwise.
- 2. Follow steps 1 to 3 for correct stringing.
- 3. Wind the dial string to the tention roller (A) several turns, then turn the tention roller (B) counterclockwise seven times for getting appropriate tention.
- 4. Fix the dial string on the Tention roller (A) and TV pulley with bond.
- 5. Insert the tention roller (B) to groove on the TV bracket as shown in Fig. 9.
- 6. Mount the TV tuning knob and turn it fully counterclockwise.
- 7. Mount the TV Dial pointer at the start point on the TV roller (A) bracket as shown in Fig. 10.
- 8. Fix the TV dial pointer on the string with bond as shown in Fig. 11.

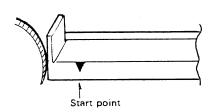


Fig. 10

RADIO BLOCK

- 1. Turn the pulley fully clockwise.
- 2. Follow the steps ① to ⑥ for correct stringing as shown in Fig. 12.
- 3. Mount the Radio tuning knob and turn it fully counterclockwise.
- 4. Mount the Radio Dial pointer at the start point on the Radio bracket as shown in Fig. 13.
- 5. Fix the Radio dial pointer on the string with bond as shown in Fig. 14.

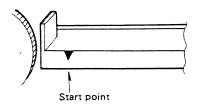
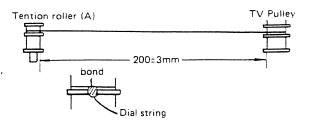


Fig. 13



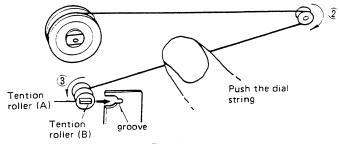


Fig. 9

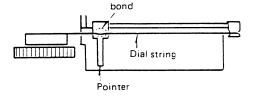
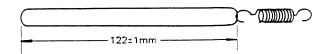
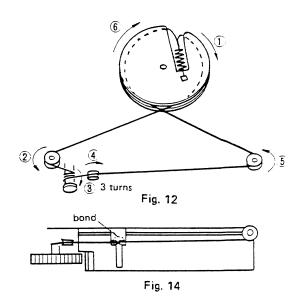


Fig. 11





- 7 **-**

FIELD ALIGNMENT OF TV-

AVR (AUTOMATIC VOLTAGE REGULATOR)

Connect a voltmeter across TP91 and chassis. Make certain the B+ supply voltage is $+4.8V \pm 0.05V$. Adjust the AVR control VR71 if necessary.

YOKE POSITION

The yoke is secured to the neck of the picture tube with an angular clamp and screw. To Adjust the yoke and correct for picture tilt: Loosen the clamp screw, correct tilt, and retighten the clamp screw.

CENTERING

The picture centering device consists of two rings located at the rear of the yoke assembly. Each ring has a tab for ease of adjustment.

The tabs should be rotated and moved towards or away from each other until the picture is properly centered on the picture tube screen.

TO ADJUST THE R-F AGC PROPERLY

- 1. Tune in strong local station.
- 2. Turn the R-F AGC control VR19 fully counterclockwise.
- 3. Observe the input signal, turn the R-F AGC control VR19 clockwise to the point where the snow noise disappears in the picture.
- 4. Check the reception with all channels. If the set does not get, clear picture on all channels, readjust the R-F AGC. (Assuming, that all channels have sufficient signal strength and are essentially free from interference.)

VERTICAL HEIGHT

Adjust the V-Height control VR32 until picture becomes symmetrical from top to bottom.

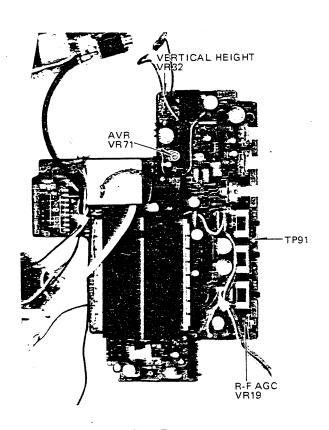


Fig. 15

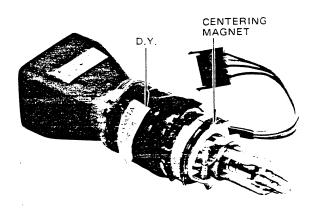


Fig. 16

TELEVISION INDICATOR ALIGNMENT -

TELEVISION INDICATOR ALIGNMENT

- 1. Set the function selector to TV position and set the band selector to UHF position.
- 2. Set the system switch to USA position.
- 3. Set the pointer to the station of which is the lowest receivable channel in your area.
- 4. Adjust VR92 to get the best picture.
- 5. Set the pointer to the station of which is the highest receivable channel in your area.
- 6. Adjust VR93 to get the best picture.
- 7. Set the pointer same as step 3.
- 8. Readjust VR92 if necessary.
- 9. Set the band selector to VHF position.
- 10. Set the pointer to the station of which is the lowest receivable channel in your area.
- 11. Adjust the VR94 to get the best picture.
- 12. Set the pointer to the station of which is the highest receivable channel in your area.
- 13. Adjust the VR96 to get the best picture.

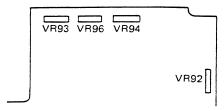


Fig. 17

GENERAL ALIGNMENT-

Note:

- 1. During alignment, use a non-metallic screwdriver to prevent an unexpected short-circuit.
- The transformer core which has two tuning peak points. Adjust at the lower position as shown in Fig. 18.

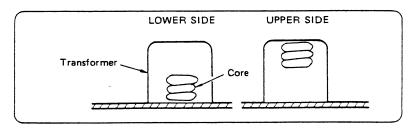


Fig. 18

ALIGNMENT OF RADIO

AM I-F & R-F ALIGNMENT (Equipment Required: Signal Generator, 16 ohm speaker or dummy load, output meter.)

	Output of signal ge Set Volume con Set selector to A	itrol to maximum.	no higher thar	no higher than necessary to obtain an output reading. Maintain line voltage at 120 volts. Note: Adjustment controls are shown in Figure 19.							
	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT	ADJUST	REMARKS					
1	Fashion loop of several,	455 kHz (30% Mod. with 400 Hz)	Point of non- interference (on/about 600 kHz).		L1110 L1111						
2	turns of wire and radiate signal into loop of receiver.	600 kHz	Marked 600 kHz	Output meter across earphone jack.	L1101 (OSC coil) L1100 (ANT coil)	Adjust for maximum output. Repeat steps (2) and (3).					
3	·	1400 kHz (30% Mod. with 400 Hz)	Marked 1400 kHz	. •	(O) (OSC trim- mer) (A) (ANT trim- mer)	·					

- Note: 1. Cement antenna coil with wax after completing alignment.
 - 2. Make certain that speaker or dummy resistor (16 Ω) is connected to the earphone jack when aligning.

FM I-F ALIGNMENT

EQUIPMENT REQUIRED

Signal generator that provides 10.7 MHz marker.

Sweep generator that provides 10.7 MHz and 400 kHz sweep width.

OSCILLOSCOPE

Set sweep selector of oscilloscope to EXTERNAL SWEEP.

Apply 60 Hz sweep signal from sweep generator to horizontal input terminals of oscilloscope.

Set selector to FM.

Set Volume control to minimum.

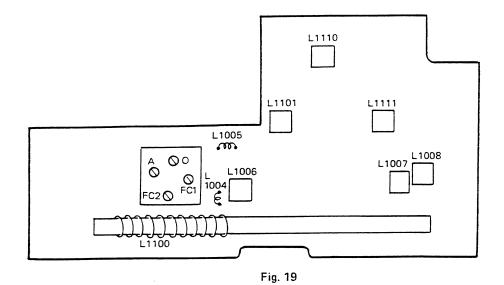
Maintain line voltage at 120 volts.

Note: Adjustment controls are shown in Figure 19.

	SWEEP GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT	AD- JUST	WAVE FORM	REMARKS
1	Connect to TP102 through FM DUMMY. Common to chassis 0.1μF 10ΚΩ 75Ω To TP106 FM Dummy	10.7 MHz	Point of non- interference (on/about 90 MHz).	Connect vert. amp of scope to TP103. Common to chassis.	L1006 L1007	10.7MHz	Adjust for maximum amplitude and proper linearity. Adjust for proper linearity.

FM R-F ALIGNMENT (Equipment Required: Signal Generator)

	, ,, , , ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,					
	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT	ADJUST	REMARKS
3	Connect to EXT FMantenna terminal through FM dummy antenna. Common to chassis.	90 MHz (30% Mod. with 400 Hz)	Marked 90 MHz	Output meter across EXT	L1005 (FM OSC coil) L1004 (FM collector coil)	Adjust for maximum output.
4	0.1µF ○ TO EXT FM 75Ω antenna terminal	106 MHz (30% Mod. with 400 Hz)	Marked 106 MHz	SP jack	FC1 (FM OSC trimmer) FC2 (FM collector trimmer)	Repeat step (3) and (4).



IN CIRCUIT RESISTANCE

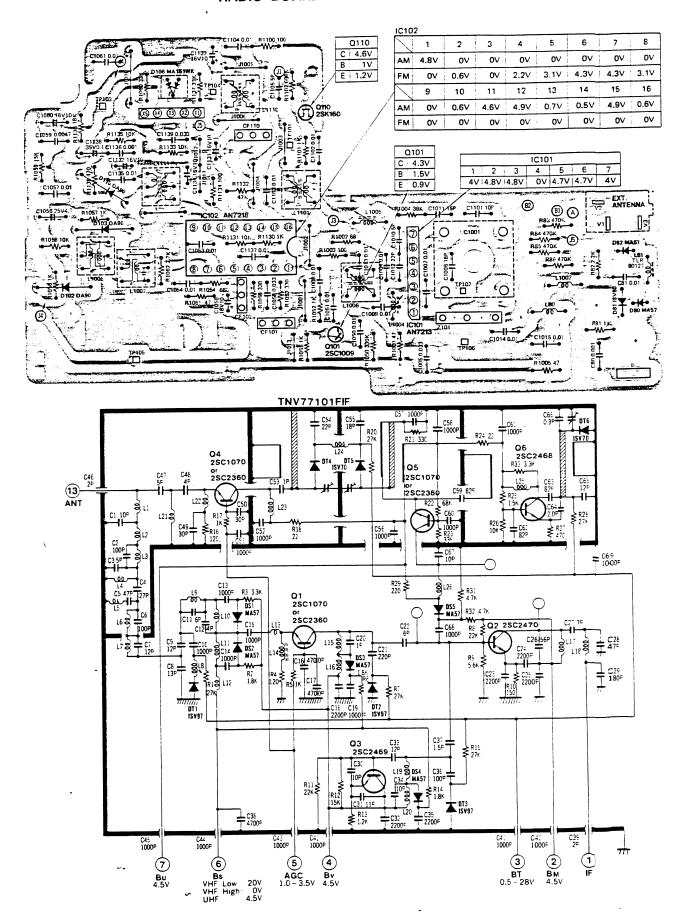
resistor No.	resistance	resistor No.	resistance	resistor No.	resistance	resistor No.	resistance	resistor No.	resistance
ΤV		R185	1.1ΚΩ	R360	820Ω	R703	зкΩ	R1050	330ΚΩ
R88	16ΚΩ	R186	330Ω	R361	56ΚΩ	R704	470Ω	R1051	1ΚΩ
R89	2.2ΚΩ	R187	1.4ΚΩ	R401	560Ω	R705	4.7ΚΩ	R1052	1ΚΩ
R90	16ΚΩ	R188	4.5ΚΩ	R402	39Ω	R706	680Ω	R1053	330Ω
R91	6.8KΩ	R201	100Ω	R403	10ΚΩ	R707	10Ω	R1054	360Ω
	_	_					500	5.055	2000
R92	. 1ΚΩ	R202	5.6ΚΩ	R404	2.2ΚΩ	R710	50Ω	R1055	330Ω
R93	255ΚΩ	R203	5.6ΚΩ	R405	27ΚΩ	R711	50Ω	R1056	1ΚΩ
R94	22ΚΩ	R204	5.6ΚΩ	R406	47Ω	R712	50Ω	R1057	1ΚΩ
R95	8.2ΚΩ	R206	12KΩ ·	R407	2.7ΚΩ	R713	50Ω	R1058	10ΚΩ
R96 _.	1ΜΩ			R408	470Ω	R714	50Ω	R1059	39Ω
,		5007	10110	5.460	14040	D715	F00	D1000	22140
R97	10ΚΩ	R207	12ΚΩ	R409	140ΚΩ	R715	50Ω	R1060	33KΩ
R98	10ΚΩ	R208	12ΚΩ	R440	3.9ΚΩ	R716	50Ω	R1061	43Ω
R99	10ΚΩ	R212	2.7ΚΩ	R441	250ΚΩ	R717	50Ω	R1062	Ω0
R 101	56Ω	R213	31Ω	R442	330KΩ	RADIO		R1100	100Ω
R111	Ω 0	R301	15ΚΩ	R443	1ΜΩ	R81	1ΚΩ	R1101	620Ω
R 141	20ΚΩ	R302	18ΚΩ	R444	4.7ΚΩ	R82	2.2ΚΩ	R1102	680KΩ
R 142	20KΩ	R303	48KΩ	R445	1ΚΩ	R83	7.5KΩ	R1130	1ΚΩ
R143	10ΚΩ	R304	60ΚΩ	R502	68Ω	R84	7.5KΩ	R1131	10ΚΩ
R 144	10KΩ	R305	15ΚΩ	R504	1.8ΚΩ	R85	7.5KΩ	R1132	11ΚΩ
R 145	330Ω	R306	3.9ΚΩ	R505	47 KΩ	R86	7.5KΩ	R1133	8.5ΚΩ
11145	33032	11300	0.011	R601	1MΩ	1100	7.01		0.01100
R 180	1.2ΚΩ	R307	зкΩ	R602	1.5KΩ	R1001	47Ω	R1134	100Ω
R 181	1.2 K32	R308	6.8KΩ	R614	2.2MΩ	R1002	68Ω	R1135	4ΚΩ
ì	23ΚΩ	R309	3.5KΩ	R615	1ΜΩ	R1003	100Ω	R1136	18ΚΩ
R 182		R310	2.7Ω	R701	390Ω	R1003	39ΚΩ	R1137	33 KΩ
R 183	14ΚΩ		1		i		47Ω	R1138	470Ω
R 184	1ΚΩ	R313	22Ω	R702	3.5K Ω	R1005	4/32	D 1130	4/032

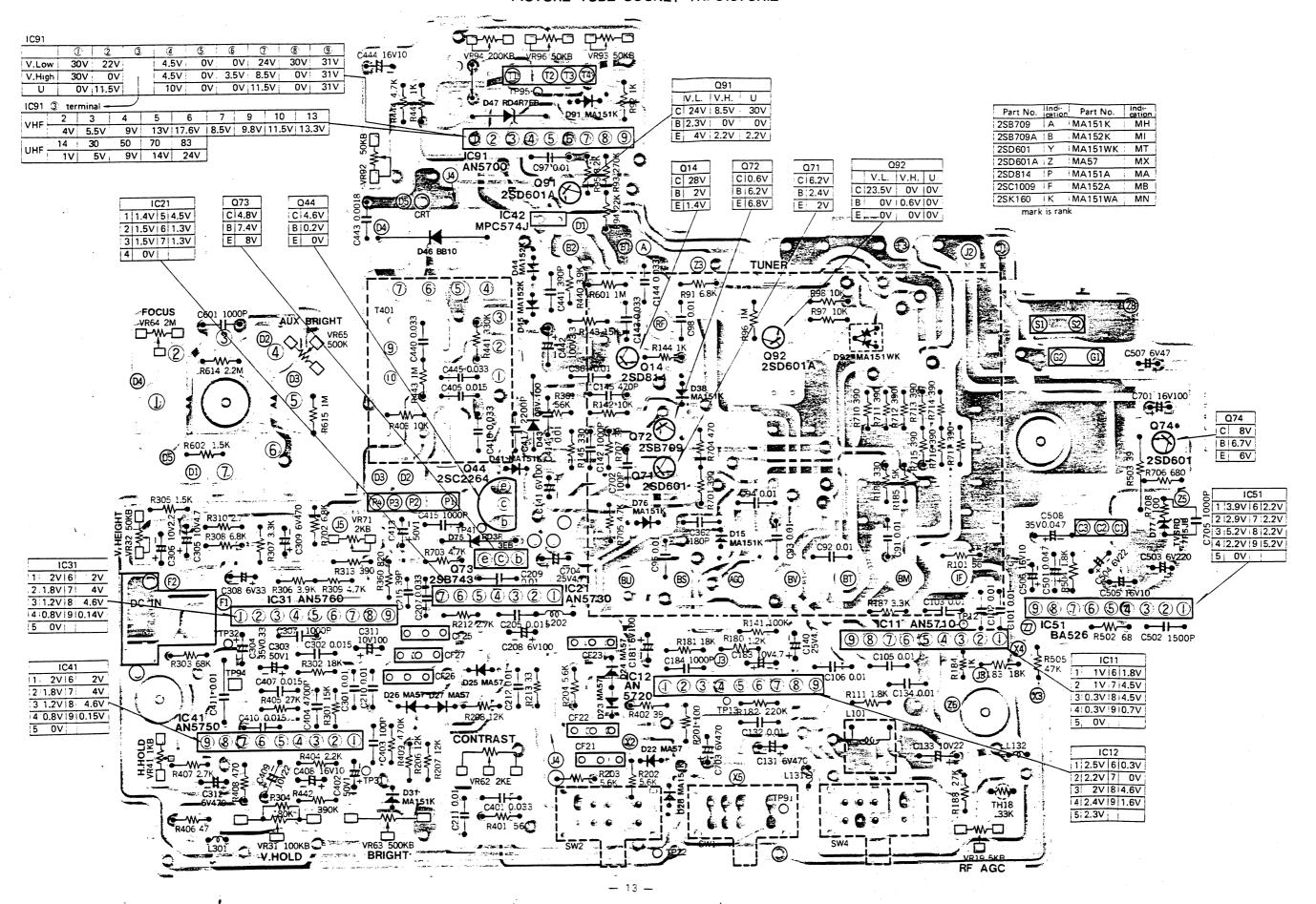
Note:

- 1. Set power switch to OFF position.
- 2. When measure the resister on the solder circuit board by ohm meter, it indicates difference value depend on the polality. In this case should be read high resistance value.

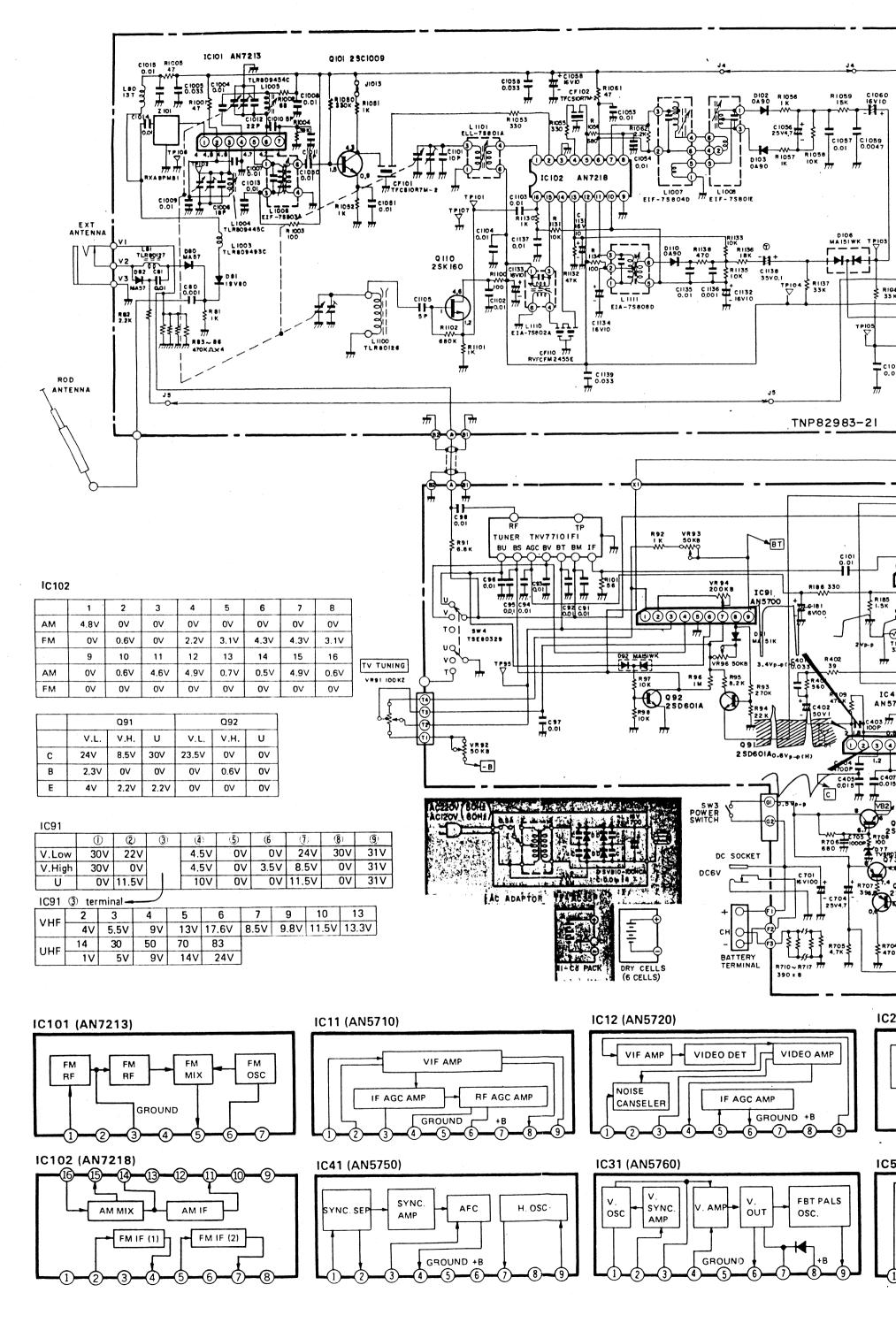
CONDUCTOR VIEWS

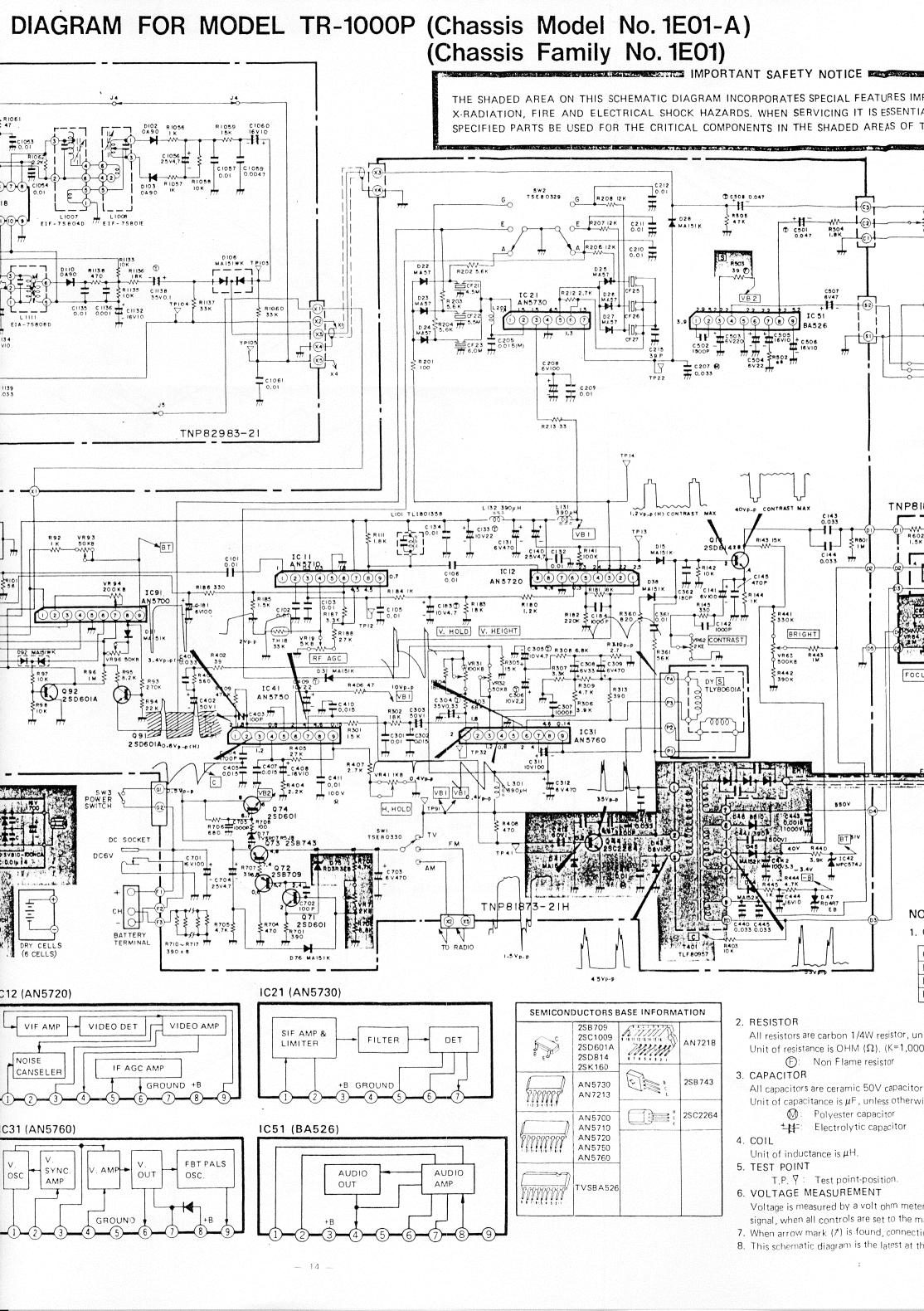
RADIO BOARD TNP82983-21

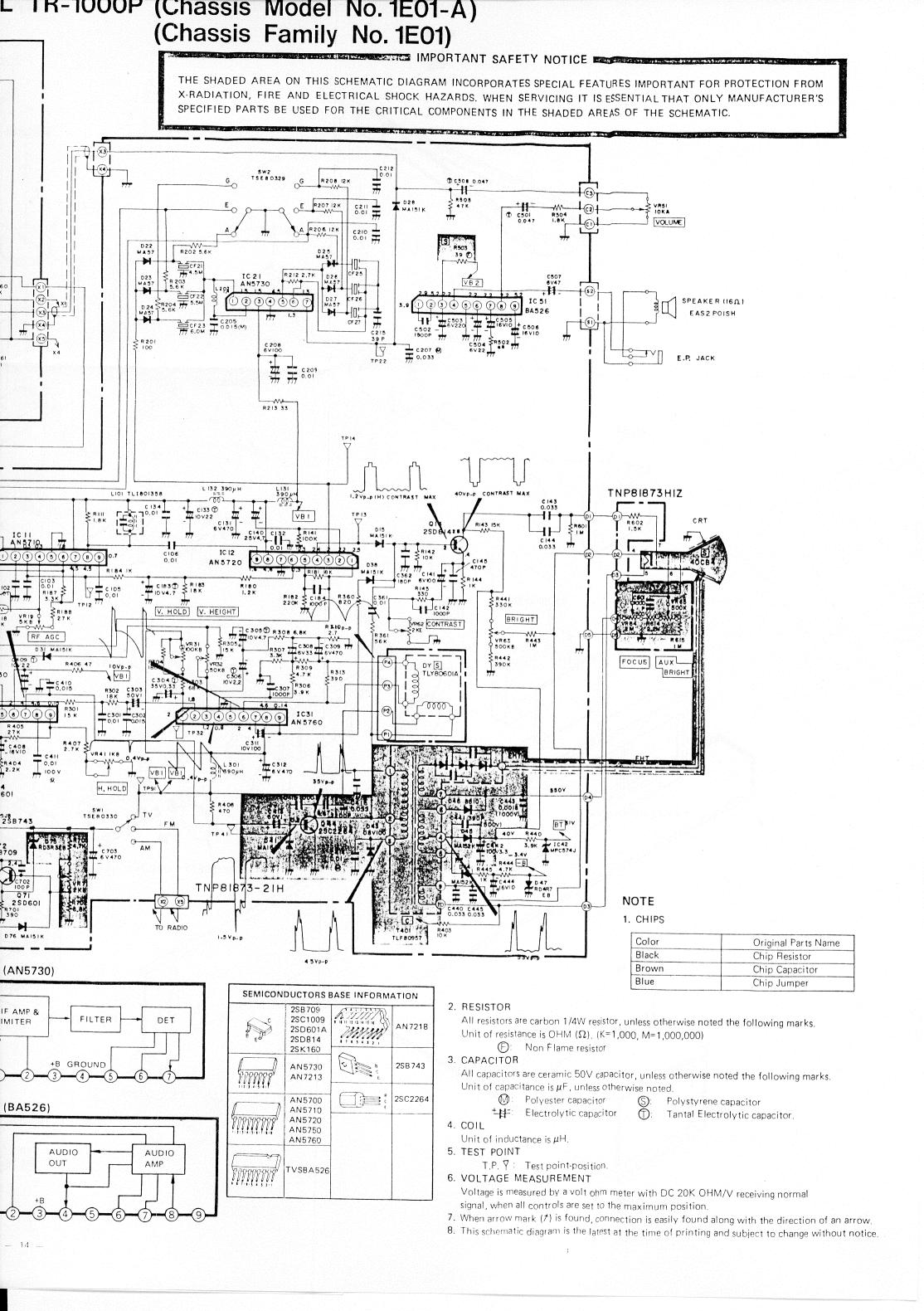


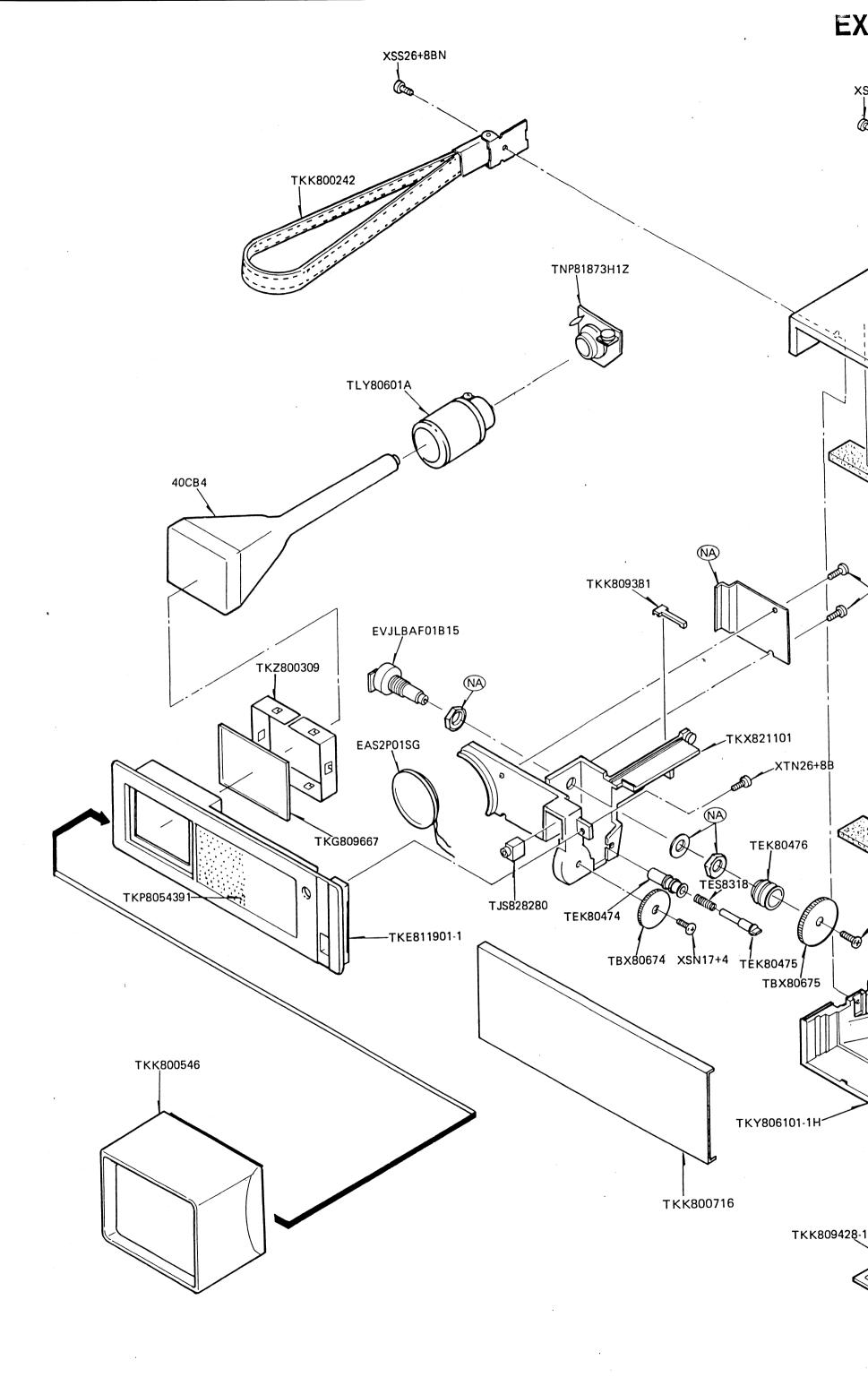


SCHEMATIC DIAGRAM FOR MODEI

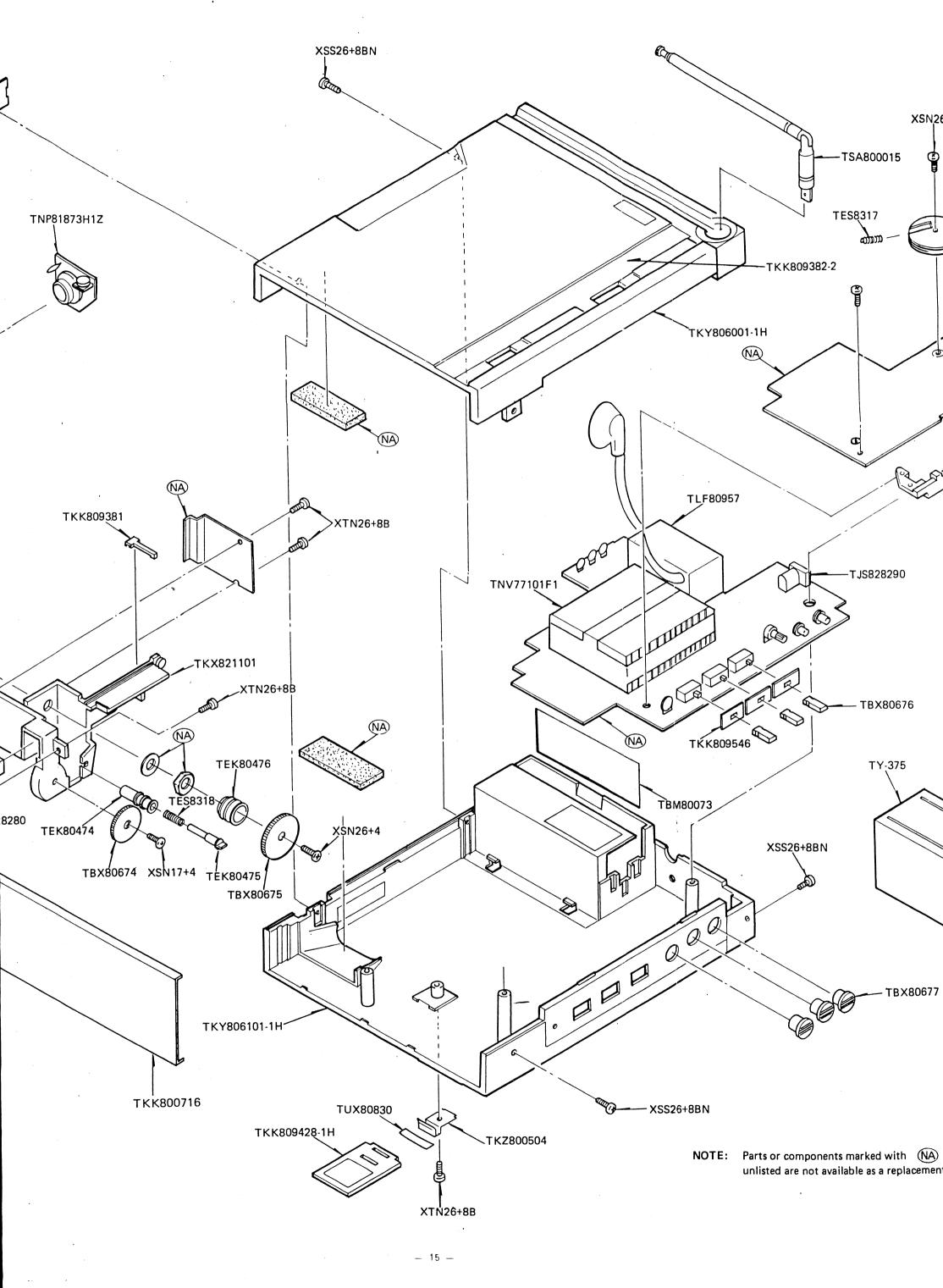




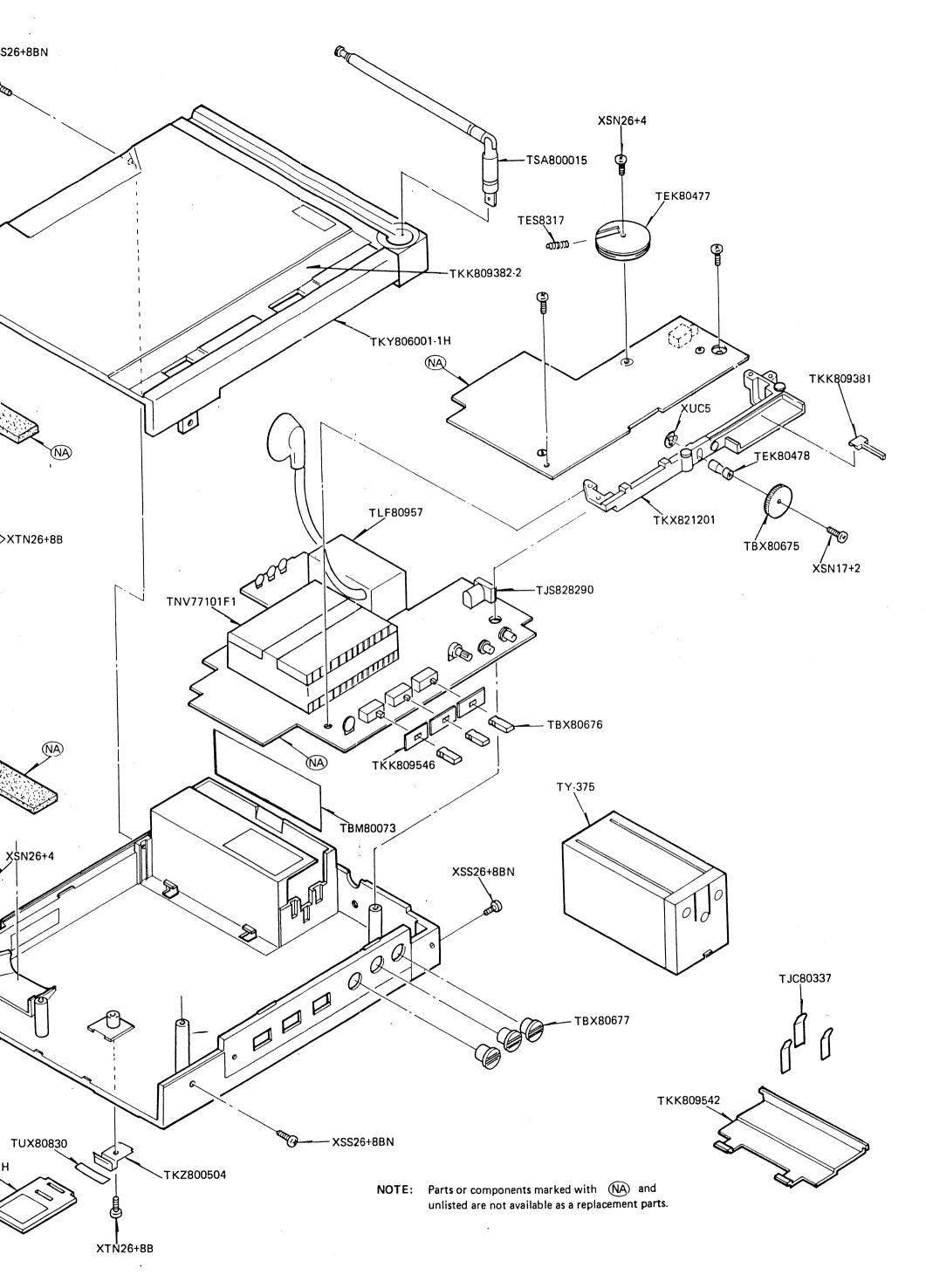




EXPLODED VIEW



PLODED VIEW



REPLACEMENT PARTS LIST

Important Safety Notice

Components identified by shaded area have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.

Note: 1. Main board (TNP81873-21H) and radio board (TNP82983-21) are not available as a complete printed circuit board. The symbol marks (o) on the Replacement Parts List indicate chip parts.

	THE SYMBOL MAINS (o) on the Replacement Parts List indicate of	n		Ţ
Ref.No.	Part No.	Description	Ref. No.	Part No.	Description
С	ABINET AND	MAIN CHASSIS PARTS		TXAJT4P132	4-P Mini. Connector Ass'y (Tuning Control)
	TKY806001-1H	Upper Cabinet Complete		XEH15A2-B1	Earphone
	TKY806101-1H	Bottom Cabinet Complete		XSS26+8BN	Cabinet Mounting Screw
		Escutcheon Complete		XSN17+2	Radio Knob Mounting Screw
	TKE811901-1	1		XSN17+4	On-Off Volume Knob Mounting Screw
	TKG809667	Front Protector (Window)		XSN26+4	Tuning Knob, Radio Pulley Mounting
	TKK800242	Hand Clip			Screw
	TKK800546	Lens Hood		XTN2+4B	On-Off Switch Control Mounting Screw
	TKK809381	Dial Guide		VTNOC LED	
•	TKK809381	Dial Indication Plate		XTN26+6B	Radio Bracket Mounting Screw
	TKK809428-1H	Set Leg		XTN26+8B	Set Leg, TV. Bracket Mounting Screw
	TKK809542	Battery Cover	•	XUC5FT	Tuning Shaft Mounting Spring
	TKK800716	Front Protector		TPG801421	Outer Carton (4 Sets)
	TKK809546	Knob Barrier		11 0001421	Odter Carton 14 Scts/
	_	Speaker Panel		TPC812771	Outer Carton (1 Set, Color)
	TKP8054391	, -· ·		TPC812771	Outer Carton (1 Set)
	TKX821101	TV. Bracket		TXAPD11000P	Filler Complete
	TKX821201	Radio Bracket			
	TKZ800309	Picture Tube Bracket		TQE8580 TQB811338	Set Cover Fun Bag
			}	l .	Instruction Book
	TKZ800951	Cabinet Mounting Insert Nut		TQB810338	HISTRUCTION BOOK
	TKZ800504	Set Leg Holder		TQB810159	Safety Instruction Sheet
	TUX80830	Set Leg Spring		TQD8118135	Warranty Card
	TBM80073	Model Plate		TKK809382-2	Dial Indication Plate (Europe)
	TBX80674	On-Off Switch, Volume Knob		TKK804902	Accessory Bag
	TBX80675	TV/Radio Tuning Knob	T	NP81873HIZ	
	TBX80676	Selector Switch Knob	C601	ECKD2H102KB2	Ceramic Capacitor 1,000PF ±10%500V
	TBX80677	Control Knob	R614	RRD18XK225	Chip Resistor 2.2MΩ ±10% 1/8W
	TEK80474	Tention Roller (A)	R615	RRD18XK105	Chip Resistor 1MΩ ±10% 1/8W
	TEK80475	Tention Roller (B)	VR64	EVTK0CA00B26	Focus Control 2MΩB
			VR65	EVNK0BA00B55	Aux. Bright. Control 500KΩB
	TEK80476	TV Pulley	R602	RRD18XK152	Chip Resistor 1.5KΩ ±10% 1/8W
	TEK80477	Radio Pulley		TJS825050	Picture Tube Socket
	TEK80478	Tuning Shaft			
	TEK80479	Roller			
	TEK80480	Roller Shaft		I NP8	1873-21H
	TES8317	Radio Coil Spring	Т	UNER	
	TES8318	TV Coil Spring		TNV77101F1	u/v Combo Tuner
	40CB4	Picture Tube		L	
-	TLY80601A .	Deflection Yoke	10	•	,
	TNP81873H1Z	Picture Tube Socket P.C.B. Complete	IC11	AN5710	V-IF Amp./AGC
			IC12	AN5720	V-IF Det./Video Amp.
	•		IC21	AN5730	S-IF Amp./Det.
	EAS2P01SH	Speaker	IC31	AN5760	Vert. OSC./Amp./Output
	TSA800015	Rod Antenna	IC41	AN5750	Sync. Sep. Amp./Horiz. AFC. Osc.
	TNQ8306	Antenna Matching Box $(75\Omega-75\Omega)$			Drive
	TNQ8307	Antenna Matching Box (75 Ω -300 Ω)			
		and the contraction of the contr	IC42	TVSMPC574J	Zener
	TY-AC35P	AC Adaptor Complete	IC51	TVSBA526	Audio
VR51	EVLM3BT12A14	On-Off, Volume Control 10KΩA	IC91	AN5700	Channel Selection
VR91	EVJLBAF01B15	Tuning Control 100KΩB	_	DANOIOTODO	
L1100	TLR80126	AM Bar Antenna	11	RANSISTORS	Video Outron
	TJB80919	Battery Case	Q14 O	2SD814 2SC2264Q	Video Output
			Q44	take and the second control of	Horiz. Output
	TJS828280	Earphone Socket	Q71 O	i e	AVR
	TJS898110	Reserve Plug	Q72 O	1	AVR
	TXAJT3P301	3-P Mini. Connector Ass'y(Volume Control)	Q73	2SB743	AVR
	TXAJT2P004	2-P Mini. Connector Ass'y (Volume	Q74 O	2SD601	AVR
		Control)	Q91 O	1	Switching
	TXAJT2P003	2-P Mini. Connector Ass'y (Earphone	Q92 O		Switching
	1	Socket)	11 -0- 0		

Ref. No	o.	Part No.	Des	cription		Ref. N	lo.	Part No.	De	scription		
	\dashv						ļ	-	-	0.000 . 5	+80 0/	50V
	- 1					C143	0	ECUX1H333ZF	Chip	0.033µF 0.033µF	-20 % -80 %	50V
						C144	0	ECUX1H333ZF	Chip	0.033μF 470PF	-20 % ±20%	50V
						C145	0	ECUX1H471M-D	Chip	470FF 100μF		6.3V
	DI	ODES				C181		ECEAOJK101	- Electrolytic	4.7μF		10
		MA151K	Video			C183		ECSF1AM475C	Tantalum	4.741		10 0
	- 1	MA57	Switching					50.044.14.0014D	Chia	1.000PF	±20%	50\
	- 1	MA57	Switching			C184	0	ECUX1H102MD	Chip	0.015µF	±20%	50\
	- 1	MA57	Switching			C205	0	ECUX1H153MD	Chip	0.015µF 0.033µF	+80 %	50\
	- 1	MA57	Switching			C207	0	ECUX1H333ZF	Chip		-20 /0	6.3
723						C208		ECEAOJK101	Electrolytic	100⊭F 0.01⊭F	+80 % -20 %	50\
D26		MA57	Switching			C209	0	ECUX1H103ZF	Chip	0.01μ	-20 /0	50
	- i	MA57	Switching						01:	0.015	+80 %	50\
	- 1	MA151K	Switching			C210	0	ECUX1H103ZF	Chip	0.01µF	+80 %	50
		MA151K	Switching			C211	0	ECUX1H103ZF	Chip	0.01µF	+80 % -20 %	50
	1	MA151K	Blanking			C212	0	ECUX1H103ZF	Chip	0.01µF		
J36	\mathcal{I}	WICION	D.O.I.Kg			C215	0		Chip	39PF	±10%	50
D41		MA151K	Pulse Clipper	n-1, 1 -		C301	0	ECUX1H103MD	Chip	0.01µF	±20%	50
)41)43	\neg	TVS08V-100	Damper			11					. 200	F.O.
		MA152K	Rectifier			C302	0	ECUX1H153MD	Chip	0.015µF	±20%	50
	1	MA152K	Rectifier			C303		ECEA1HK010EJ	Electrolytic	1μF		50
		TVCDD10	Rectifier			C304		ECSF1VM334C	Tantalum	0.33µF		35
D46	- 1	TVSBB10	Hectines			C305		ECSF1AM475C	Tantalum	4.7µF		10
747		TVSRD4R7EB	Zener			C306		ECSF1AM225C	Tantalum	2.2 µ F		10
D47	-	TVSRD3R3EB	Zener		·	1						
D75	-	MA151K	Switching			C307	C	ECUX1H102MD	Chip	1,000PF	±20%	40
	9		Zener			C308		ECEA0JK330	Electrolytic	33µF		6.3
D77		TVSRD7R5JB				C309		ECEA0JV471W	Electrolytic	470µF		6.3
D91	0	MA151K	Switching			C311		ECEA1AS101SW	Electrolytic	100µF		10
D92	0	MA151WK	Switching			C312		ECEA0JV471W	Electrolytic	470µF		6.3
			0011500			C361	0	ECUX1H103MD	Chip	0.01µF	±20%	50
	CÇ	DILS & TRANSF				C362	0	ECUX1H181K	Chip	180PF	±10%	50
L101		TLI801358	V-IF Trans.			C401	0	ECUX1H333ZF	Chip	0.033µF	+80 % -20 %	50
L131		TLQ391K146C	Peaking Coil			C402		ECEA1HK010EJ	Electrolytic	1μF		50
L132		TLQ391K146C	Peaking Coil			C403	0	ECUX1H101K	Chip	100PF	±10%	50
L 20 2	- 1	TLQ100K146	Peaking Coil				·					
L301	1	TLQ391K146C	Peaking Coil			C404	0	ECUX1H472MD	Chip	4,700PF	±20%	50
	.	<u> </u>			maria di	C405	0	1	Chip	0.015µF	±20%	50
T401	.	TLF80957	Flyback Trans.	المعتقب بأبران	- ·	C407	0	1	Chip	0.015µF	±20%	50
	1		l			C408	Ŭ	ECEA1CK100	Electrolytic	10μF		16
		APACITORS	1	0.01 5	+80 n/ E/			ECSZ10EF22N	Tantalum	22µF		10
C91	0		Chip	0.01µF	+80 % 50	* II						
C92	0	ECUX1H103ZF	Chip	0.01µF	±88 % 50		0	ECUX1H153ZF	Chip	0.015µF	+80 % -20 %	50
C93	0	ECUX1H103ZF	Chip	0.01µF	±38 % 50	"	·	ECQK1103JZ	Polyester Pol	•		
C94 .	0	ECUX1H103ZF	Chip	0.01µF	‡28 % 50	* II		ECGRITOGGE		0.01µF	±5%	100
C95	0	ECUX1H103ZF	Chip	0.01µF	±28% 50	C413	eryse r	ECEA1HK010EJ	Electrolytic	1μF		50
						1 0444		ECQM2103KZ	Polyester	0.01µF	±10%	200
C96	0	ECUX1H103ZF	Chip	0.01µF	±88 % 50	V C415	0	ECUX1H102MD	Chip	1,000PF	±20%	__ 50
C97	0	ECUX1H103ZF	Chip	0.01µF	±28 % 50	V			To Stant's personation			
C98	0	ECUX1H103ZF	Chip	0.01µF	±28 % 50	V	0	ECUX1H333ZF	Chip	0.033µF	+80 % -20 %	50
C101	0	ECUX1H103ZF	Chip	0.01µF	±28 % 50	V C417			Chip	2200PF	±20%	5
	0	ECUX1H103ZF	Chip	0.01µF	128 % 50	C440			Chip	0.033µF	-28 %	
C102						0441		ECKD2H391KB9	Ceramic	390PF	- 5.4	
C102		t	Chip	0.01µF	±28 % 50			ECEA2AS3R3	Electrolytic	3.3µF		10
	0	ECUX1H103ZF			±28 % 50			ECLAZASSINS	Lieutionytic		أمحت باستام عقتها مالها للبد	ab or T
C103			Chip	0.01µF				1			±20%	11
C103 C105	0	ECUX1H103ZF	1	0.01μF 0.01μF	±28 % 50	V		ECKC3 A 103MAD	Ceramic	RUUDE	IZUA	- Mary
C103 C105 C106		ECUX1H103ZF ECUX1H103ZF	Chip Chip	0.01µF	-\$% 50 6.3	V C443		ECKC3A182MD	Ceramic	ە∞	IZUK	1
C103 C105 C106 C131	0	ECUX1H103ZF ECUX1H103ZF ECEA0JV471W	Chip Chip Electrolytic	0.01μF 470μF	-\$% 50 6.3	V C444		ECEA1CK100	Electrolytic	10µF		
C103 C105 C106 C131	0	ECUX1H103ZF ECUX1H103ZF ECEA0JV471W	Chip Chip	0.01µF	-\$8 % 50	V C444 V C445	C	ECEA1CK100 ECUX1H333ZF	Electrolytic Chip	10μF 0.033μF		5
C103 C105 C106 C131 C132	0	ECUX1H103ZF ECUX1H103ZF ECEA0JV471W ECUX1H103ZF	Chip Chip Electrolytic Chip	0,01µF 470µF 0.01µF	128 % 50 6.3 128 % 50	V C444 V C445 C501	С	ECEA1CK100 ECUX1H333ZF ECSF1VM473	Electrolytic Chip Tantalum	10μF 0.033μF 0.047μF	+80 % -20 %	5 3
C103 C105 C106 C131 C132	0 0	ECUX1H103ZF ECUX1H103ZF ECEA0JV471W ECUX1H103ZF	Chip Chip Electrolytic Chip	0,01µF 470µF 0.01µF	-\$0 % 50 6.3 -\$0 % 50	V C444 V C445 C501	С	ECEA1CK100 ECUX1H333ZF ECSF1VM473	Electrolytic Chip	10μF 0.033μF	+80 % -20 %	5 3
C103 C105 C106 C131 C132 C133 C134	0	ECUX1H103ZF ECUX1H103ZF ECEA0JV471W ECUX1H103ZF ECSZ10EF22N ECUX1H103ZF	Chip Chip Electrolytic Chip Tantalum Chip	0.01μF 470μF 0.01μF 22μF 0.01μF	+\$0 % 50 6.3 +\$0 % 50 -20 % 50	V C444 V C445 C501 C502		ECEA1CK100 ECUX1H333ZF ECSF1VM473 ECUX1H152MD	Electrolytic Chip Tantalum Chip	10µF 0.033µF 0.047µF 1500PF	±28 %	5 3 6 5
C106 C131 C132 C133 C134 C140	0 0	ECUX1H103ZF ECUX1H103ZF ECEA0JV471W ECUX1H103ZF ECSZ10EF22N ECUX1H103ZF ECEA1Ek4R7EJ	Chip Chip Electrolytic Chip Tantalum Chip Electrolytic	0.01µF 470µF 0.01µF 22µF 0.01µF 4.7µF	+50 % 50 6.3 +50 % 50 10 +50 % 50 25	V C444 V C445 C501 V C502	. c	ECEA1CK100 ECUX1H333ZF ECSF1VM473 ECUX1H152MD ECEA0JV221W	Electrolytic Chip Tantalum Chip	10µF 0.033µF 0.047µF 1500PF	±28 %	3 5 6.
C103 C105 C106 C131 C132 C133 C134	0 0	ECUX1H103ZF ECUX1H103ZF ECEA0JV471W ECUX1H103ZF ECSZ10EF22N ECUX1H103ZF	Chip Chip Electrolytic Chip Tantalum Chip	0.01μF 470μF 0.01μF 22μF 0.01μF	+\$0 % 50 6.3 +\$0 % 50 -20 % 50	V C444 V C445 C501 C502 V C503		ECEA1CK100 ECUX1H333ZF ECSF1VM473 ECUX1H152MD	Electrolytic Chip Tantalum Chip	10µF 0.033µF 0.047µF 1500PF	±28 % ±20%	5 3 6 5

Ref. N	ο.	Part No.	D	escription	1		Ref. N	ο.	Part No.	Des	cription		
C506		ECEA1CK100	Electrolytic	10µF		16V	R308	0	RRD18XK682	Chip	6.8KΩ	±10%	
C507		ECEAOJK470	Electrolytic	. 47μF		6.3V	R309	0	RRD18XK472	Chip	4.7KΩ	± 10%	
C508		ECSF1VM473	Tantalum	0.047µF		35V	R310	0	RRD18XK2R7	Chip	2.7Ω	±10%	
			Electrolytic	100µF		16V	R313	0	RRD18XK391	Chip	390Ω	±10%	
C701 C702	0	ECEA1CV101W ECUX1H101K	Chip	100PF	±10%	50V	R360		RRD18XK821	Chip	820Ω	±10%	1/81/
C702		ECEA0JV471W	Electrolytic	470µF		6.3V	l				50K 0	. 1 00/	1 /0\/
C/03		ECEAOSV471W	Licetrorytic				R361	이	RRD18XK563	Chip	56KΩ	±10%	
							R401	0	RRD18XK561	Chip	560Ω	±10% ±10%	
C704		ECEA1EK4R7EJ	Electrolytic	4.7µF		25V	R402	0	RRD18XK390	Chip	39Ω	±10%	
C705		ECUX1H102MD	Chip	1000PF	±20%	50∨	R403	0	RRD18XK103	Chip	10KΩ 2.2KΩ	±10%	
•		200777777					R404	0	RRD18XK222	Chip	2.2832	110%	1,01
	RF	SISTORS					R405	0	RRD18XK273	Chip	27ΚΩ	±10%	
	1		0	6.8KΩ	± 10%	1 /0\\\	R406	0	RRD18XK470	Chip	47Ω	±10%	
R91	- 1	RRD18XK682	Chip	1ΚΩ	±10%		R407	0	RRD18XK272	Chip	2.7 K Ω	±10%	
R92	0	RRD18XK102	Chip	1 1 2 2	± 10%	1/000	R408	0	RRD18XK471	Chip	470Ω	±10%	
		DDD10VK034	Chin	270ΚΩ	±10%	1 /8\\\	R409	0	RRD18XK474	Chip	470 K Ω	±10%	1/8\
R93	ŧ	RRD18XK274	Chip	270ΚΩ	±10%								
R94	- 1	RRD18XK223	Chip Chip	8.2KΩ	±10%		R440	0	RRD18XK392	Chip	3.9KΩ	±10%	
R95	1	RRD18XK822 RRD18XK105	Chip	1MΩ	±10%		R441	0	RRD18XK334	Chip	330KΩ	±10%	
R96	- 1		Chip	10ΚΩ	±10%		R442	0	RRD18XK394	Chip	390KΩ	±10%	
R97		RRD18XK103	Crip	10122	210%	.,	R443	0	RRD18XK105	Chip	1ΜΩ	±10%	
DO0		RRD18XK103	Chip	10ΚΩ	±10%	1/8W	R444	0	RRD18XK472	Chip	4.7KΩ	± 10%	
R98	- 1			56Ω	±10%		R445	이	RRD18XK102	Chip	1 K-Ω		1/8/
R101	0	RRD18XK560	Chip	1.8ΚΩ	±10%		R502	0	RRD18XK680	Chip	Ω86 	±10% ±5%	
R111	0	RRD18XK182	Chip Chip	1.0ΚΩ	± 10%		R503		ERD25FJ390	Carbon	39Ω	±376 ±10%	Pro-
R141	0	RRD18XK104	Chip	100132	21070	1,011	R504	0	RRD18XK182	Chip	1.8KΩ 47KΩ	±10%	
D 1 40	0	RRD18XK103	Chip	10ΚΩ	±10%	1/8W	R505	0	RRD18XK473	Chip		±10%	
R142	0	RRD18XK153	Chip	15ΚΩ	±10%		R601	0	RRD18XK105	Chip	1ΜΩ	± 10%	1701
R143 R144		RRD18XK102	Chip	1ΚΩ	±10%					6 1.5	390Ω	±10%	1 /8\
R145		RRD18XK331	Chip	330Ω	±10%		R701	0	RRD18XK391	Chip	6.8KΩ	_±10%	
R180		RRD18XK122	Chip	1.2ΚΩ	±10%		R702	0	RRD18XK682	Chip	4.7ΚΩ		
N 100		TITID TOXIC 122	Citip				R703	0	RRD18XK472	Chip Chip	470Ω	±10%	
R 181		RRD18XK183	Chip	18ΚΩ	±10%	1/8W	R704	0	RRD18XK471	Chip	4.7ΚΩ		1/8
R 182	0	RRD18XK224	Chip	220ΚΩ	±10%	1/8W	R705	0	RRD18XK472	CITIP	4.,,,,,,		
R183	0	RRD18XK183	Chip	18ΚΩ	±10%	1/8W	R706	0	RRD18XK681	Chip	680Ω	±10%	1/8\
R184	0	PRD18XK102	Chip	1ΚΩ	±10%	1/8W	R707	0	RRD18XK390	Chip	39Ω		1/8\
R185	0	RRD18XK152	Chip	1.5ΚΩ	±10%	1/8W	R708	Ŭ	ERD10TJ101	Carbon	100Ω	±5%	1/8
			1				R710	0		Chip	390Ω		1/8V
R186	0	RRD18XK331	Chip	330Ω	±10%		R711	0	RRD18XK391	Chip	390Ω	±10%	6 1/8V
R187	0	RRD18XK332	Chip	3.3K Ω	±10%		R712	0	- '	Chip	390Ω	± 10%	6 1/8V
R188	0	RRD18XK273	Chip	27ΚΩ	±10%					•			
R201	0		Chip	100Ω		1/8W	R713	0	RRD18XK391	Chip	390Ω	±10%	6 1/8V
R202	0	RRD18XK562	Chip	5.6KΩ	±10%	1/8W	R714	0	RRD18XK391	Chip	390Ω	±10%	6 1/8
				F 6K 6	. 100/	1 /0\4/	R715	0	RRD18XK391	Chip	390Ω		6 1/8\
R203	0	_	Chip	5.6KΩ		1/8W	R716	0	RRD18XK391	Chip	390Ω		6 1/8\
R204	0	RRD18XK562	Chip	5.6KΩ	± 10%	1/8W	R717	0	RRD18XK391	Chip	390Ω	±10%	6 1/8\
R206	0	RRD18XK123	Chip	12ΚΩ	±10%	1/8W							
R207	0	_	Chip	12ΚΩ	±10%	1/8W	1	С	ERAPS				
							CF21		EFCS4R5MSM	S-IF Input Filt			
R208	0	RRD18XK123	Chip	12ΚΩ	±10%	1/8W	CF22		EFCS5R5MSM	S-IF Input Filt			
R212	0	RRD18XK272	Chip	2.7ΚΩ	±10%	1/8W	CF23		EFCS6R0MSM	S-IF Input Filt	er		
R213	0	RRD18XK330	Chip	33Ω		1/8W	CF25		EFCS4R5MCM	Discriminator			
R301	0	RRD18XK153	Chip	15ΚΩ		1/8W	CF26		EFCS5R5MCM	Discriminator			
R302	0	RRD18XK183	Chip	18ΚΩ	±10%	1/8W	CP27		EFCS6R0MCM	Discriminator			
Dom	_	DDD10VK600	Chin	68KΩ	+10%	1/8W	CR27		Er Coundivicivi	Discriminator			
R303	0	1	Chip Chip	180ΚΩ		1/8W		C	ONTROLS				
R304	0		Chip	15ΚΩ		1/8W	VR19	_	EVNKOBAOOB53	RF AGC	5ΚΩΒ		
R305	0		Chip	3.9KΩ		1/8W	VR31		EVLV0FA00B15	Vert. Hold	100ΚΩΒ		
R306	0		Chip	3.3KΩ		1/8W	VR32		EVNA1AA00B54	Vert. Hight	50ΚΩΒ		
R307	J	INDIOARSS2	Jp	5.5.142		., •	VR41		EVNJOBA00B13	Horiz, Freq.	1ΚΩΒ		
l		İ	-				VR62		EVJ7KA30923X	Contrast	2ΚΩΧ		

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Ref. No.	Part No.	Description	Ref. No.	$\cdot $	Part No.	D	escription		
			0.000		ECHVILIZZOVC	Chin	22PF	±10%	50∨
VR63	EVLV0FA00B55	Bright 500KΩB	C1012 C	- 1	ECUX1H220KC	Chip Chip	0.01µF	+80 %	50V
VR71	EVNA6AA00B23	AVR 2KΩB	11 0.0.	- 1	ECUX1H103ZF	1	0.01µF	-20 % +80 % -20 %	50V
∨R92	EVNA1AA00B54	Sub Tuning 50KΩB	C1014	1	ECUX1H103ZF	Chip	•		50V
∨R93	EVNA1AA00B54	Sub Tuning 50KΩB	C1015	1	ECUX1H103ZF	Chip	0.01µF	+80 % -20 %	50V
∨R94	EVNA1AA00B25	Sub Tuning 200KΩB	C1050		ECUX1H103ZF	Chip	0.01µF	+80 %	50 V
∨R95	EVNA1AA00B54	Sub Tuning 50KΩB	C1051		ECUX1H103ZF	Chip	0.01µF	+80 % -20 %	50∨
VNSS	2011/4/7/3/10020		C1053 C	기	ECUX1H103ZF	Chip	0.01µF	+80 %	50V
01	HER PARTS		C1054		ECUX1H103ZF	Chip	0.01µF	+80 %	50V
TH18	ERTD2ZHL333S	Thermistor	C1055		ECUX1H333ZF	Chip	0.033µF	+80 %	50V
11110	TJS828290	DC. Socket	C1056		ECEA1ES4R7	Electrolytic	4.7 µ F		25V
	TJS868420	2-P Mini. Connector Plug							
	TJS868430	3-P Mini. Connector Plug	C1057	ol	ECUX1H103ZF	Chip	0.01µF	+80 % -20 %	50∖
	TJS868260	4-P Mini. Connector Plug	C1058	ĺ	ECEA1CK100	Electrolytic	10µF		16\
SW1	TSE80330	TV/FM/AM Selector Switch	C1059		ECUX1H472MD	Chip	0.0047µF	+80 %	50\
3441			C1060		ECEA1CS100	Electrolytic	10µF		16\
SW2	TSE80329	A/E/G Formula Selector Switch	C1061	\circ	ECUX1H103ZF	Chip	0.01µF	+80 % -20 %	50\
SW4	TSE80329	u/v Selector Switch	11						
	TJC80337	Battery Terminal	C1101		ECUX1H100KC	Chip	10PF	±10%	50\
	TXAJT5P060	5-P Mini. Connector Ass'y	C1102	0	ECUX1H103ZF	Chip	0.01µF		50\
		1	C1103	- 1	ECUX1H103ZF	Chip	0.01µF	+80 %	50\
	TNPS	32983-21	C1104	- 1	ECUX1H103ZF	Chip	0.01µF	+86 %	50\
			C1105		ECUX1H050DC	Chip	5PF	±0.5PF	: 50\
1.0	1	FM. Front End	C1131		ECEA1CK100	Electrolytic	10µF		16
IC101	AN7213	AM RF, IF,/FM IF	C1132		ECEA1CK100	Electrolytic	10µF		16
IC102	AN7218	AWINE, IF,/FWITI	C1133	-	ECEA1CK100	Electrolytic	10μF		16
	ANCICTORS		C1 134		ECEA1CK100	Electrolytic	10μF		16
	RANSISTORS	FM IF. AMP. (F3, F4)	C1135	\circ	ECUX1H103ZF	Chip	0.01µF	+80 %	50
Q110 O	2SK160	AM RF AMP. (K6, K5)	04.400		ECHVALIA ONAD	Chip	1000pF	+20%	50
			C1136 C	- 1	ECUX1H102MD ECUX1H103ZF	Chip	0.01µF		50
	IODES	1	11	۷	ECSF35ER1	Tantalum	0.01µF	-20 /	35
	MA57	Switching	C1138			Chip	0.033µF	+80%	50
D81	TVS1SV80	Switching	C1139	٦	ECOX 11133321	Citip	0.000	- 20	-
	MA57	Switching	11						
D102	OA91	FM Det.	H	D	ESISTORS				
D103	OA91	FM Det.	11	ol		Chip	1ΚΩ	±10%	1/8
D106 0	MA151WK	Switching	11	0		Chip	2.2ΚΩ		
D440	0.01	ANA Day	11	0		Chip	470ΚΩ	±10%	
D110	OA91	AM Det.		0		Chip	470ΚΩ		
	OILS & TRANS		11	0	RRD18XK474	Chip	470ΚΩ	±10%	
L80	TLR809493C	RF Choke Coil							
L81	TLR80127	Loading Coil		이	RRD18XK474	Chip	470KΩ 47Ω	±10% ±10%	
L1003	TLR809455C	Loading Coil	R1001	- 1		Chip			
L1004	TLR809445C	FM RF Coi!	R 1002	. (Chip	088		
L1005	TLR809454C	FM OSC Coil	R1003	- 1		Chip	100Ω 39KΩ		
L1006	EIF7S803A	FM IF Trans.	R1004	0	RRD18XK393	Chip	2277		
L1007	EIF7S804D	FM Det. Coil	R 1005	\circ	RRD18XK470	Chip	47Ω		
L1008	EIF7S801E	FM Det. Coil	R1050	- 1	RRD18XK334	Chip	330KΩ		
L1101	ELL7S801A	AM Osc Coil	R1051	- 1	RRD18XK102	Chip	1ΚΩ		
L1110	EIA7S802A	AM IF TRANS. AM Det. Coil	R1052	0	RRD18XK102	Chip	1ΚΩ		
L1111	A PACITORS	AN DEL CON	R1053		RRD18XK331	Chip	330Ω		
	APACITORS	Chip 1,000PF ±20% 50	V R1054	\circ	RRD18XK681	Chip	680Ω		
C80 0 C81 0	1	Chip $0.01\mu\text{F} \pm \frac{180}{20}\% = 50$	DIOSE	0	RRD18XK331	Chip	330Ω		
C81 0	ECUX1H103ZF PVCLC416-1	Poly. Variable	R1056	0	RRD18XK102	Chip	1ΚΩ		
C1001	1	Chip $0.01\mu\text{F} \pm \frac{80}{20}\%$ 50	V R1057	0	RRD18XK102	Chip	1ΚΩ		
C1004 C	1 200/11/1002	Chip 0.033µF ±20 % 50	11 01050	0	RRD18XK103	Chip	10ΚΩ	±10%	1/8
C1005 C	20071110	Chip 18PF ±10% 50	11	0	RRD18XK153	Chip	15ΚΩ	±10%	1/8
2,000	ECUX1H180KC	13/1 2/0/0 30	R1060			Chip	33ΚΩ		1/8
C1007 C	F011V1111027E	Chip 0.01 µF +80 % 50	11			Chip	47Ω		1/8
			11			Chip	2.2KΩ		
	200717111		!!		1				
C1009 C	1 20071111000		., 111100		i .	Chip	1000		
C1010 C			11 111101	0	RRD18XK102	Chip	1ΚΩ	: IIU%	1/6
	PLECUX1H150KC	Chip 15PF ±10% 50	v 11		-	1			

Ref.No.	Part No.	Description		Ref. No.	Part No.	Description
R1130 O R1131 O R1132 O R1133 O R1134 O R1135 O R1136 O R1137 O	RRD18XK000	Chip $1K\Omega \pm Chip$ $1K\Omega \pm Chip$ $10K\Omega \pm Chip$ $18K\Omega \pm Chip$ $33K\Omega \pm Chip$ $33K\Omega \pm Chip$	10% 1/8W 10% 1/8W	Z101 CF101 CF102 CF110	THER PARTS RXABPMB1 TFCS10R7M-2 TFCS10R7M-2 RVFCFM2455E TJS828300 TJS868550	FM BPF 10.7MHz Filter 10.7MHz Filter Filter Ext. Antenna Socket 5-P L-Tipe Mini. Connector Plug

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